

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

PARK et al.

Group Art Unit: 1773

Application No. Division of Application  
No. 10/458,624

Examiner: Hoa T. Le

Filed: February 20, 2004

For: RARE EARTH OXIDE COATED  
PHOSPHORS AND A PROCESS FOR  
PREPARING THE SAME

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ **within** any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under

37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

- ☐ **after** (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:

☐ the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).

*or*

☐ the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and **within** thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.

### Copies of the References

- ☐ Copies of all of the references listed on the enclosed Form 1449 are enclosed herewith.
- ☒ This patent application was filed after June 30, 2003. Accordingly, copies of U.S. patents and patent application that are listed on the accompanying Form 1449 are not enclosed herewith (see Official Gazette Notice of August 5, 2003). Copies of other references identified on the accompanying Form 1449 are enclosed herewith.
- ☐ Attached to each reference not in the English language is a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3).
- ☐ A copy of the foreign search report is enclosed herewith.

- ☒ Some of the references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

U.S. APPLICATIONS		Status ( <i>check one</i> )		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1. 10/458,624	June 11, 2003		X	
2. 10/134,502	April 30, 2002			X
3. 09/469,608	December 22, 1999			X

**Statement under 37 CFR 1.97(e)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned** hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

**Statement under 37 CFR 1.704(d)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

**Fees**

- ☒ No fee is owed by the applicant(s).
- ☐ The **IDS Fee of \$180** under 37 CFR 1.17(p) is enclosed herewith.

In re Appln. of PARK et al.  
Application No. Unassigned

**Method of Payment of Fees**

- ☐ Attached is a check in the amount of \$ .  
☐ Charge Deposit Account No. 12-1216 in the amount of \$ . (A duplicate copy of this communication is enclosed for that purpose.)

**Authorization to Charge Additional Fees**

- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

**Instructions as to Overpayment**


- ☒ Credit Account No. 12-1216.  
☐ Refund



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Please type a plus sign (+) inside this box → 

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Divisional of 10/458,624
				Filing Date	February 20, 2004
				First Named Inventor	PARK et al.
				Group Art Unit	1773
				Examiner Name	Hoa T. Le
Sheet	1	of	1	Attorney Docket Number	226251

U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
	AA	3,619,265		Hammond et al.	11/1971	
	AB	3,639,932		Ferri et al.	02/1972	
	AC	3,607,371		Haynes	09/1971	
	AD	3,953,115		French et al.	04/1976	
	AE	4,396,863		Ranby et al.	08/1983	
	AF	4,694,218		Chao	09/1987	
	AG	4,857,395		Benton et al.	08/1989	
	AH	4,952,422		Pappalardo et al.	8/28/90	2/29/88
	AI	5,196,229		Chau	03/1993	
	AJ	5,211,733		Fukao et al.	05/1993	
	AK	5,325,016		Srivastava	6/28/94	6/22/92
	AL	5,417,886		Tateiwa et al.	05/1995	
	AM	5,496,427		Gustafson et al.	03/1996	
	AN	5,045,396		Lin et al.	09/1991	
	AO	5,116,637		Baney et al.	05/1992	
	AP	5,523,018		Okada et al.	06/1996	
	AQ	5,747,100		Petersen	05/1998	
	AR	5,776,368		Chau	07/07/1998	8/22/97
	AS	5,856,009		Nishio et al.	01/05/1999	10/15/96
	AT	6,203,726		Danielson	03/2001	
	AU	6,261,638		van Ooij et al.	07/2001	
	AV	6,364,953		Kawakami et al.	04/2002	
	AW	6,366,012		Lee et al.	04/2002	
	AX	6,436,313	B1	Srivastava et al.	08/2002	

OTHER - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
	AY	De Vries et al., "Evaluation of the Energy Migration in GdA13B4012", Jour. Luminescence, Vol. 39, No. 3, January 1988, pp. 153-160		
	AZ	Chemical Abstract citation 1967:416410, abstract for Blasse, "Concentration Quenching of Europium (III) Ion Fluorescence", J. Chem. Phys, Vol. 46, No. 7, 1867, pp. 2583-2585		
	B1	Kellendonk et al., "Luminescence and Energy Transfer in EuA13B4012", J. Chem. Phys., Vol. 75, No. 2, July 1981, pp. 561-571		
	B2	U.S. Patent Application No. 09/469,607, filed December 22, 1999		
	B3	U.S. Patent Application No. 09/469,315, filed December 22, 1999		

Examiner Signature	Date Considered
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\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).